

PROBABILISTIC SEISMIC HAZARD MAP

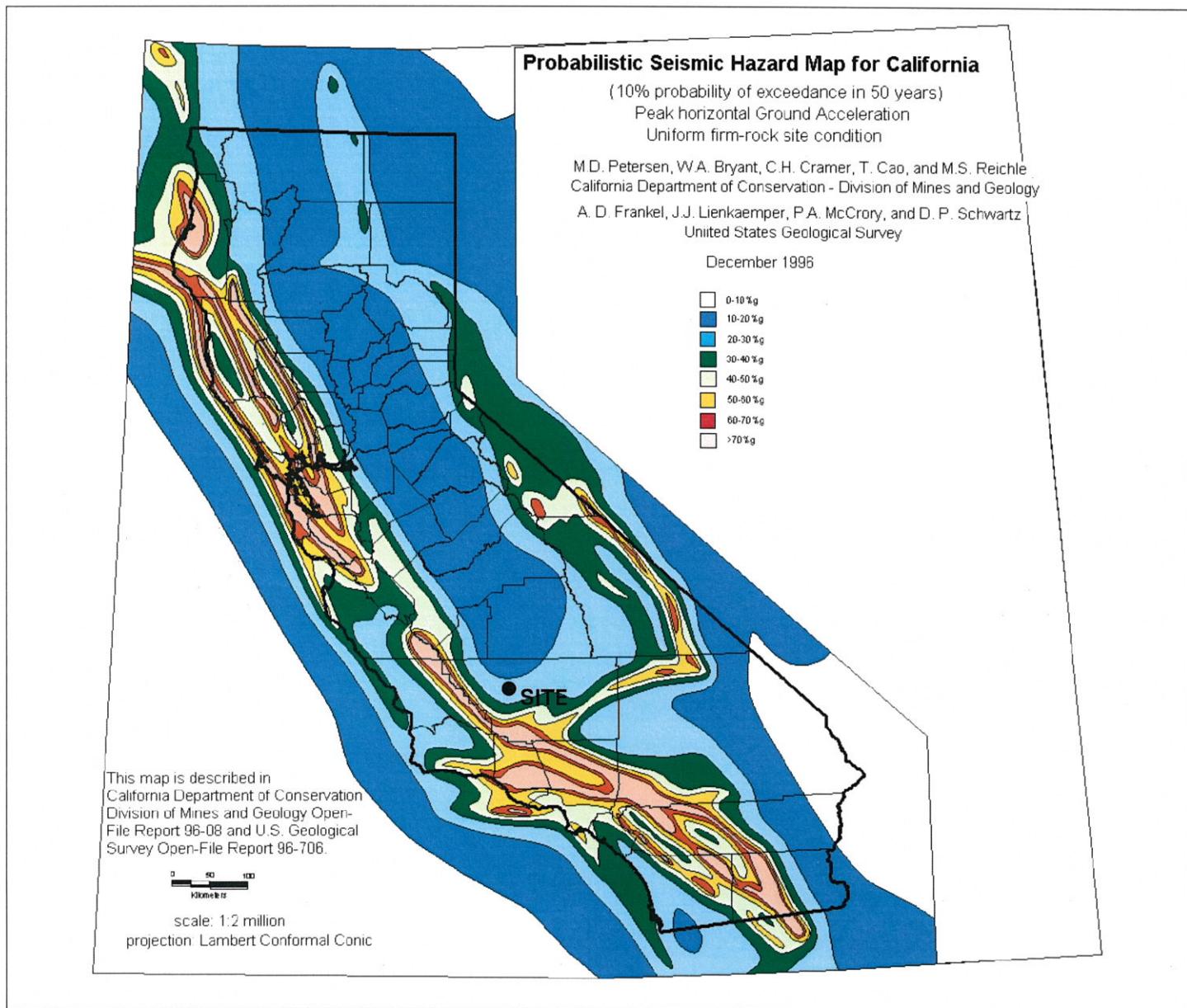
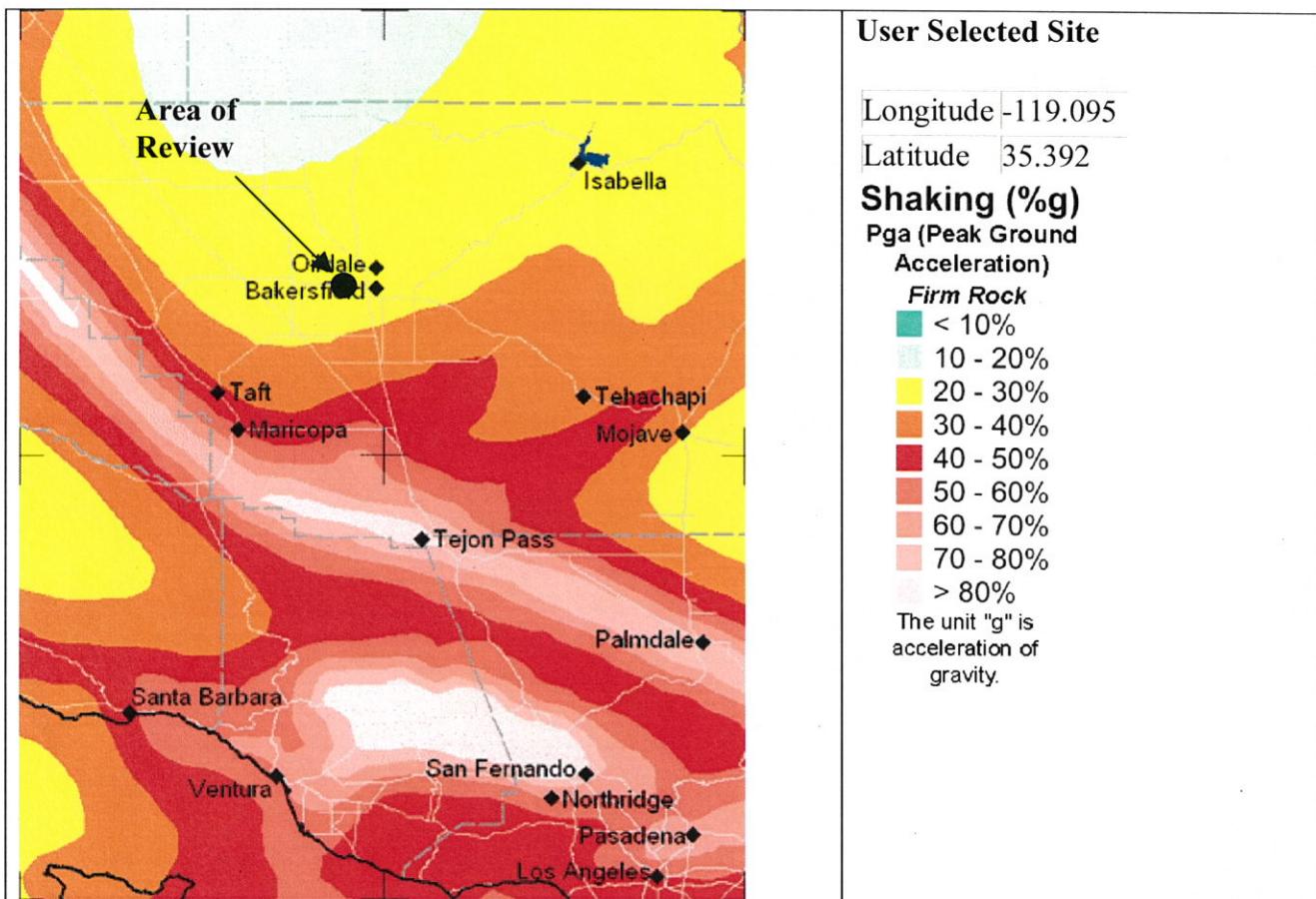


Plate 9a

PLATE 9b



Ground Motions for User Selected Site

Ground motions (10% probability of being exceeded in 50 years) are expressed as a fraction of the acceleration due to gravity (g). Three values of ground motion are shown, peak ground acceleration (Pga), spectral acceleration(Sa) at short (0.2 second) and moderately long (1.0 second) periods. Ground motion values are also modified by the local site soil conditions. Each ground motion value is shown for 3 different site conditions: firm rock (conditions on the boundary between site categories B and C as defined by the building code), soft rock (site category C) and alluvium (site category D).

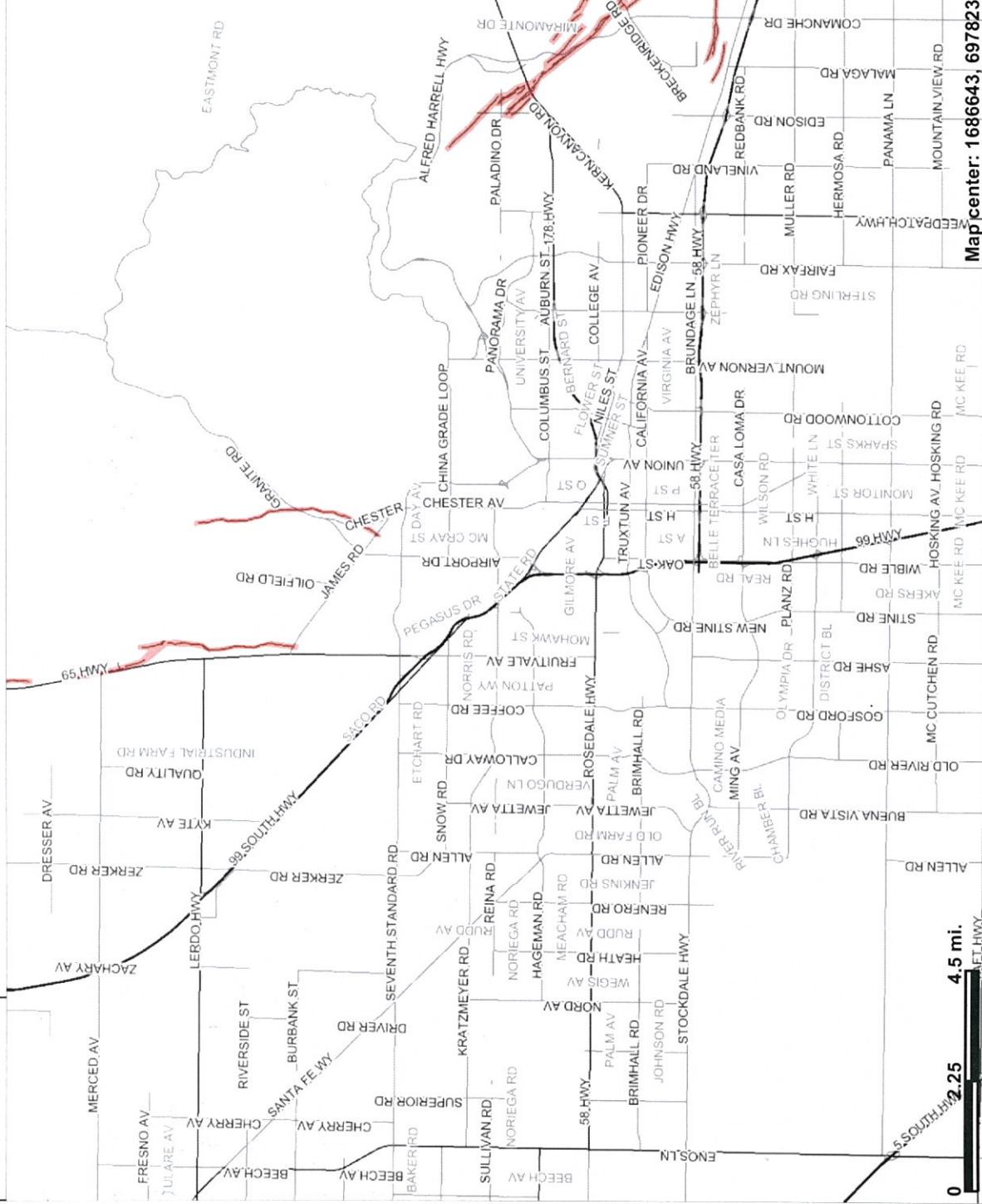
Ground Motion	Firm Rock	Soft Rock	Alluvium
Pga	0.26	0.281	0.319
Sa 0.2 sec	0.616	0.67	0.768
Sa 1.0 sec	0.236	0.297	0.38

NEHRP Soil Corrections were used to calculate Soft Rock and Alluvium. Ground Motion values were interpolated from a grid (0.05 degree spacing) of calculated values. Interpolated ground motion may not equal values calculated for a specific site, therefore these values are not intended for design or analysis.

Fault Zones

Legend

- Fault Zones
- Faults
- Roads
- Arterial
- Highway
- Ramp
- County of Kern



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Plate 9c

Scale: 1:198,722

Map center: 1686643, 697823